



# STIC Search Report

## EIC 3600

STIC Database Tracking Number: 94803

TO:Mark Beauchaine  
Location:5U13  
Art Unit : 353  
Thursday, October 14, 2004  
  
Case Serial Number: 10/071628

From: Etelka Griffin  
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### Search Notes

### LITIGATION SEARCH

#6099402#

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Terms: [patno=6099402](#) ([Edit Search](#))

151531 (00) 6099402 August 8, 2000

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

**6099402**

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August 8, 2000

Small apparatus for dispensing circular plate objects

**INVENTOR:** Abe, Hiroshi, Iwatsuki, JP; Ichihara, Noboru, Iwatsuki, JP

**APPL-NO:** 151531 (00)

**FILED-DATE:** September 11, 1998

**GRANTED-DATE:** August 8, 2000

**ASSIGNEE-AT-ISSUE:** Asahi Seiko Co. Ltd., Tokyo, JP

**ASSIGNEE-AFTER-ISSUE:** November 23, 1998 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., ASAHI SEIKO CO. LTD. 24-15, MINAMI AOYAMA 2-CHOME, MINATO-KU TOKYO JAPAN, Reel and Frame Number: 009611/0525

**CORE TERMS:** disc, shaft, coin, gear, revolving, elevation, hole, substrate, thickness, electric motor ...

**ENGLISH-ABST:**

An apparatus for dispensing disc bodies such as coins or tokens is set forth which includes a fixed substrate and a dispensing disc spaced from said substrate a distance related to the thickness of said disc bodies. The dispensing disc includes a plurality of openings having a diameter adapted to receive a disc body for dispensing thereof. The dispensing disc is attached to a shaft which is axially moveable to adjust the space between the dispensing disc and substrate. The shaft is connected to a motor through an axially aligned planetary gear apparatus. Rotation of the dispensing disc receives coins or tokens in the openings and space whereupon the coins are moved for dispensing. An elevation body engages the dispensing disc and includes a plurality of annular teeth. An adjustment body has teeth to engage the elevation body teeth. Rotation of the adjustment body axially adjusts the elevation body and dispensing disc to adjust the space to accept different thicknesses of coins.

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**Patents** 

Terms: [patno=6099402](#) ([Edit Search](#))  
View: [Custom](#)  
Segments: Abst, Assignee, Date, Granted-date, Inventor  
Date/Time: Thursday, October 14, 2004 - 12:04 PM EDT

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Search statement 3

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**Patent Number :**  
US6099402 A 20000808 [US6099402]

**Title :**  
(A) Small apparatus for dispensing circular plate objects

**Patent Assignee :**  
(A) ASAHI SEIKO CO LTD (JP)

**Patent Assignee :**  
Asahi Seiko Company Ltd., Tokyo [JP]

**Inventor(s) :**  
(A) ABE HIROSHI (JP); ICHIHARA NOBORU (JP)

**Application Nbr :**  
US15153198 19980911 [1998US-0151531]

**Priority Details :**  
JP28754197 19970912 [1997JP-0287541]  
JP29147097 19970918 [1997JP-0291470]  
JP37000597 19971219 [1997JP-0370005]

**Intl Patent Class :**  
(A) G07D-001/00

**EPO ECLA Class :**  
G07D-009/00F

**US Patent Class :**  
ORIGINAL (O) : 453057000; CROSS-REFERENCE (X) : 221241000

**Document Type :**  
Corresponding document

**Citations :**  
US2959324; US5316517; US5711704; DE3602291

**Publication Stage :**  
(A) United States patent

**Abstract :**  
An apparatus for dispensing disc bodies such as coins or tokens is set forth which includes a fixed substrate and a dispensing disc spaced from said substrate a distance related to the thickness of said disc bodies. The dispensing disc includes a plurality of openings having a diameter adapted to receive a disc body for dispensing thereof. The dispensing disc is attached to a shaft which is axially moveable to adjust the space between the dispensing disc and substrate. The shaft is connected to a motor through an axially aligned planetary gear apparatus. Rotation of the dispensing disc receives coins or tokens in the openings and space whereupon the coins are moved for dispensing. An elevation body engages the dispensing disc and includes a plurality of annular teeth. An adjustment body has teeth to engage the elevation body teeth. Rotation of the adjustment body axially adjusts the elevation body and dispensing disc to adjust the space to accept different thicknesses of coins.

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2000-35

1 / 1 CRXX - ©CLAIMS/RRX

**Patent Number :**  
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**Patent Assignee :**  
Asahi Seiko K K JP

**Actions :**  
20020208 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20020521  
REISSUE REQUEST NUMBER: 10/071628  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3652

Reissue Patent Number:

1 / 1 INPADOC - ©INPADOC

**Patent Number :**

US 6099402 A 20000808 [US6099402]

**Title :**

SMALL APPARATUS FOR DISPENSING CIRCULAR PLATE OBJECTS

**Inventor(s) :**

ABE HIROSHI [JP]; ICHIHARA NOBORU [JP]

**Patent Assignee (Words) :**

ASAHI SEIKO CO LTD [JP]

**Application Details :**

US 151531/98-A 19980911 [1998US-0151531]

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JP 291470/97-A 19970918 [1997JP-0291470]

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**Intl. Patent Class. :**

G07D-001/00